

## (12) UK Patent Application (19) GB (11) 2 295 775 (13) A

(43) Date of A Publication 12.06.1996

(21) Application No 9424807.7

(22) Date of Filing 08.12.1994

(71) Applicant(s)  
Yung-Fa Su  
No 28 Lane 9, Ming Yu Road, Kang San Chen,  
Kaohsiung Hsien, Taiwan

(72) Inventor(s)  
Yung-Fa Su

(74) Agent and/or Address for Service  
Langner Parry  
High Holborn House, 52-54 High Holborn, LONDON,  
WC1V 6RR, United Kingdom

(51) INT CL<sup>6</sup>  
A63F 3/00

(52) UK CL (Edition O)  
A6H HJX

(56) Documents Cited  
GB 1348632 A GB 0294329 A

(58) Field of Search  
UK CL (Edition N) A6H HJM HJN HJX  
INT CL<sup>6</sup> A63F 3/00 3/08, G07C 15/00

## (54) Arcade betting machine

(57) A betting machine comprises a card selection and display means which selects an individual card at random from a set of cards and displays the card to the players, betting panels 4 at which players can wager on the outcome of the card selection, jackpot selection means 7 such as fruit-machine type reels on which cumulative winnings can be wagered, a count-down clock 5, and means 3 to list the results of previous card outcomes.

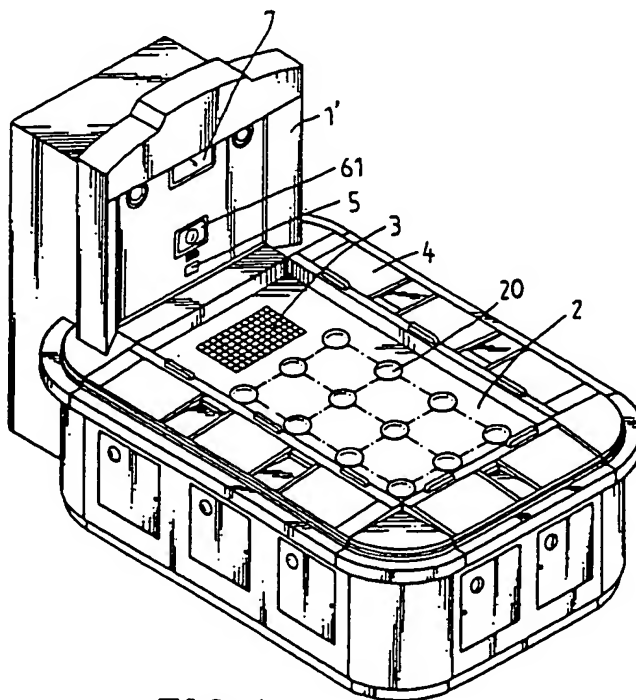


FIG. 1

GB 2 295 775 A

1/5

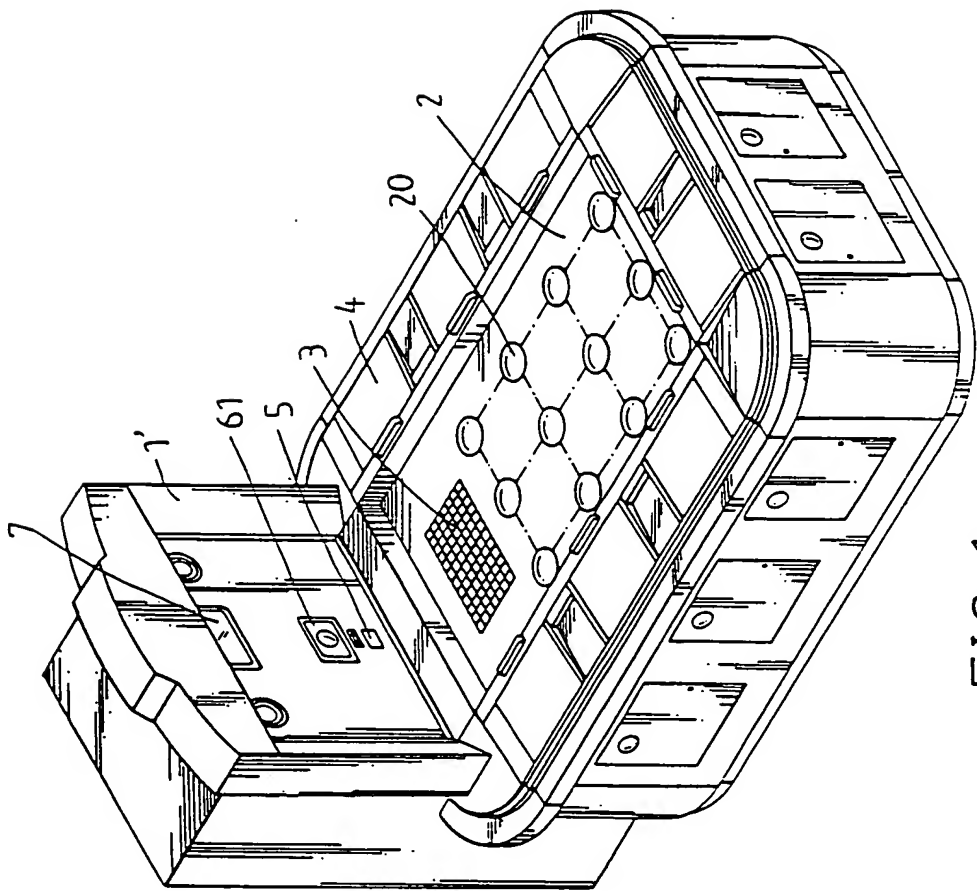


FIG. 1

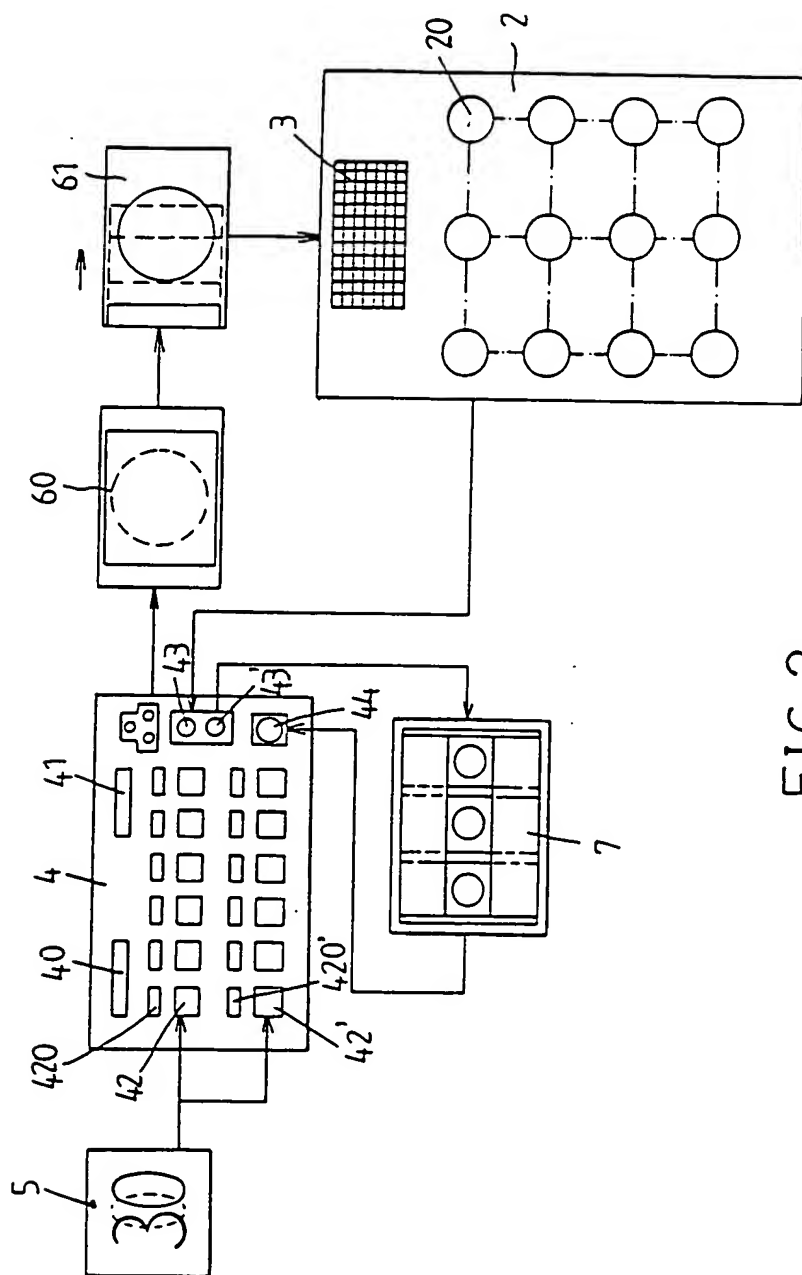


FIG. 2

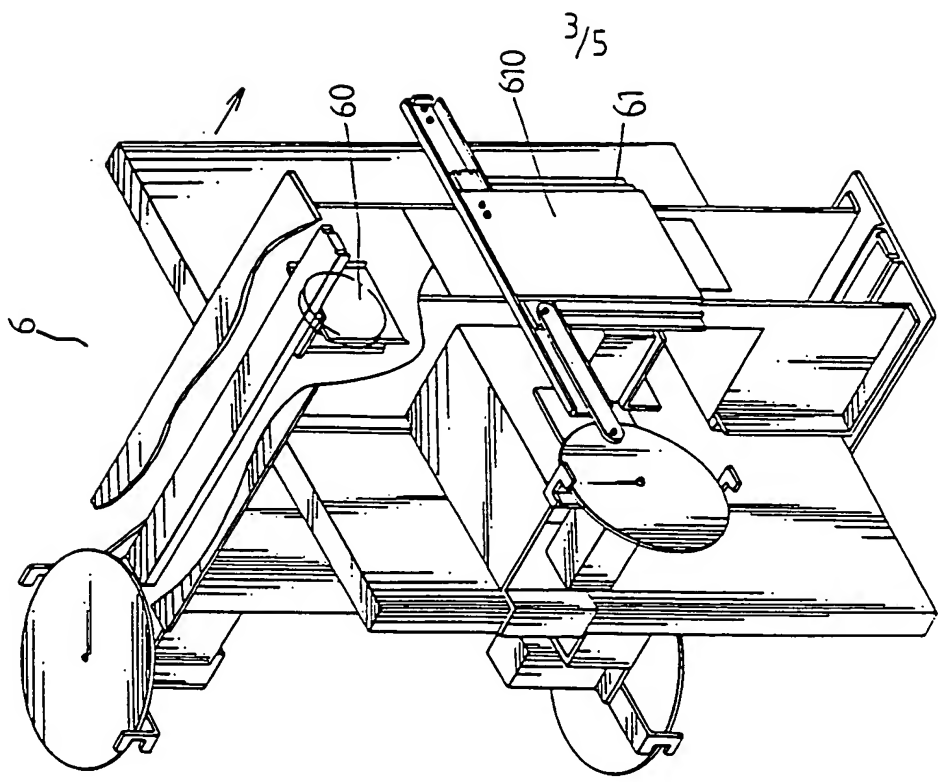


FIG. 4

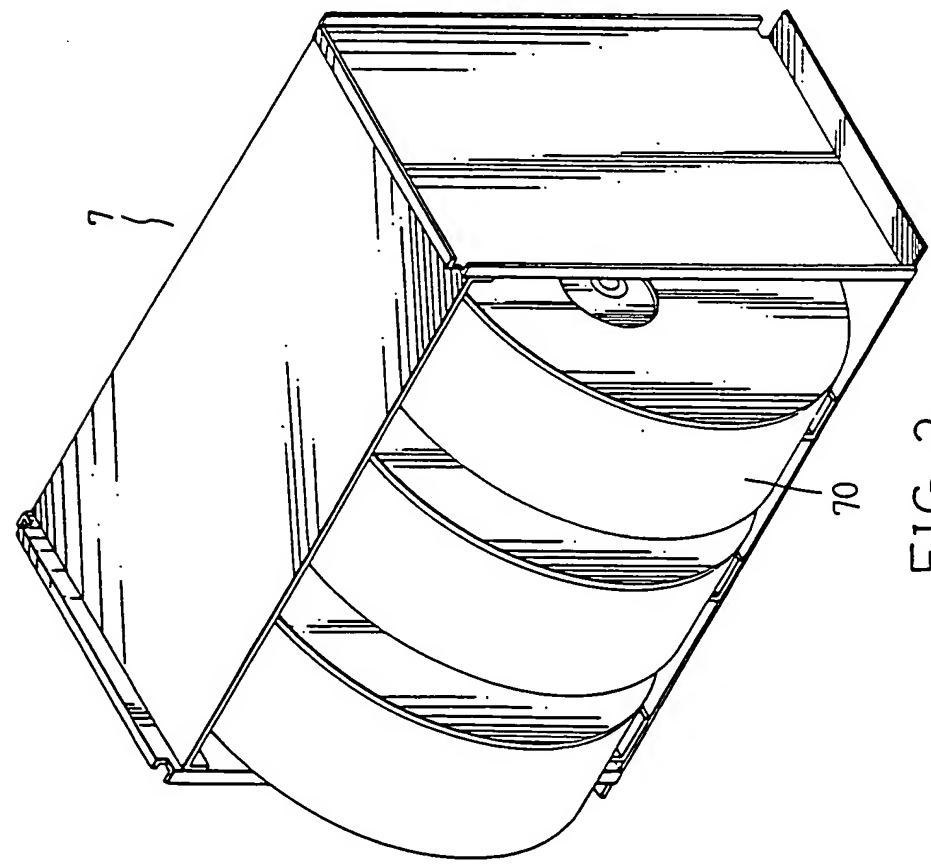


FIG. 3

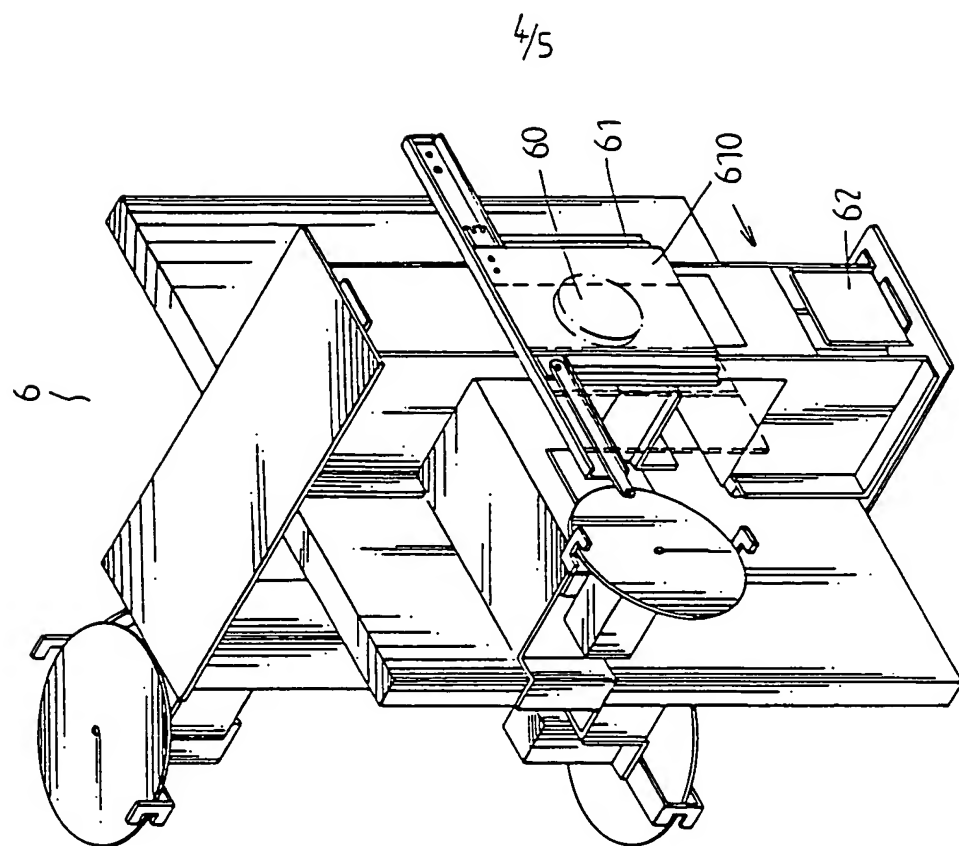


FIG. 5

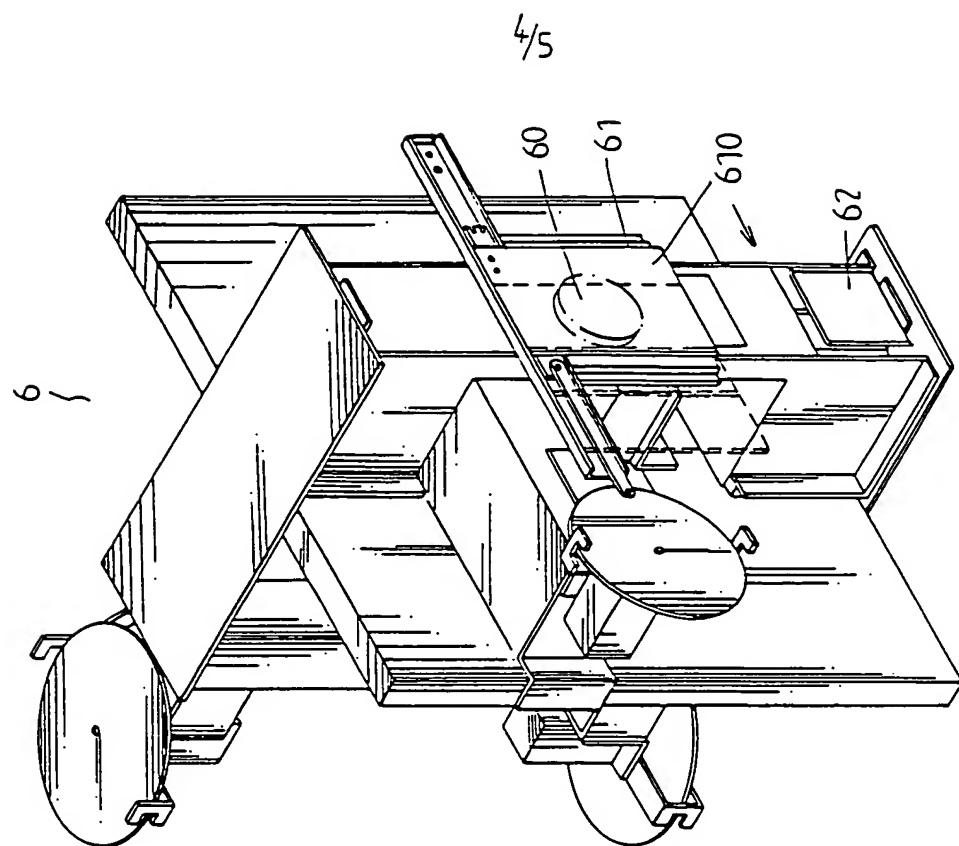


FIG. 6

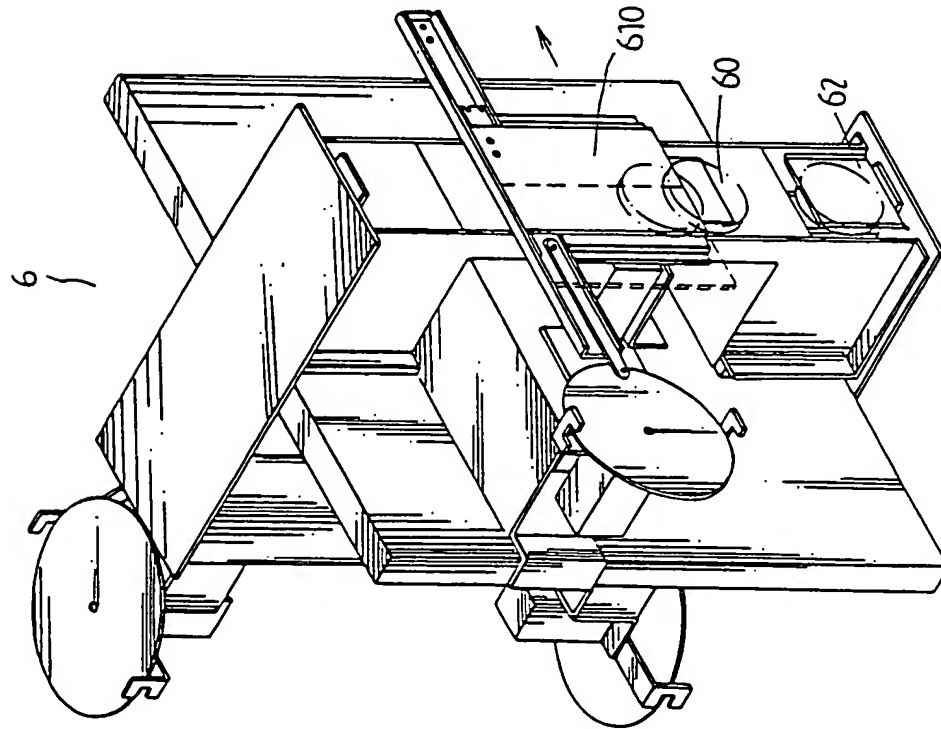


FIG. 7

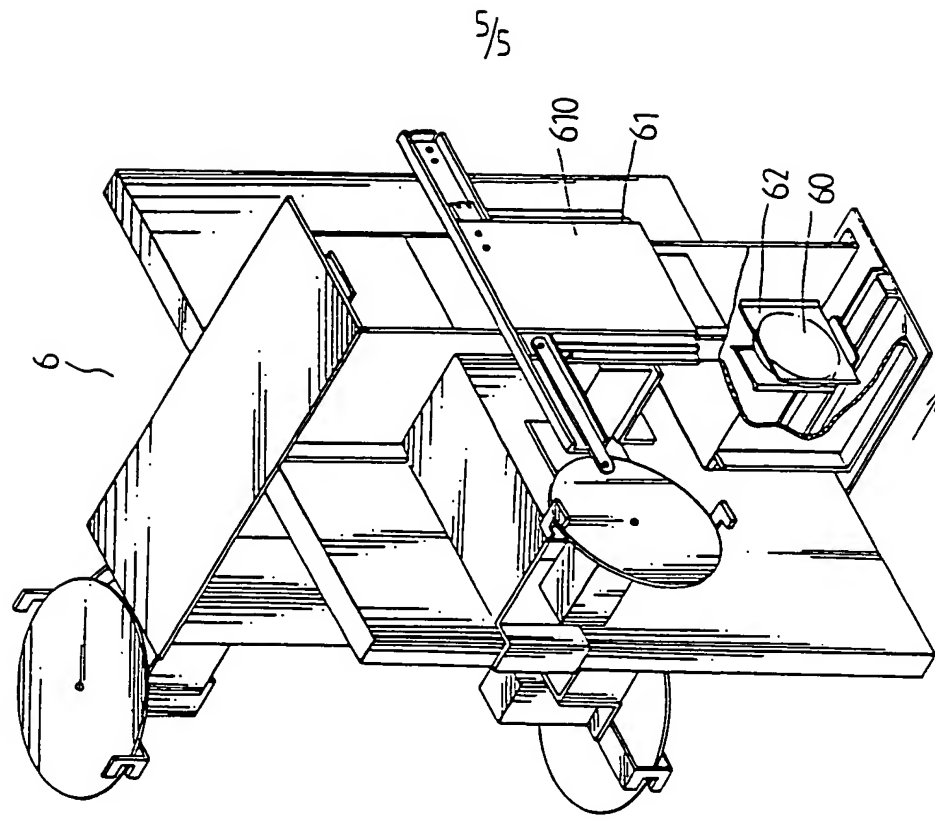


FIG. 8

ARCADE MACHINE AND ITS PLAYING METHOD

The present invention relates to an arcade machine which comprises a 30 second clock to count down a predetermined length of time within which individual players are allowed to bet, a card  
5 opener to opens a card at random, a card record display to record and show the cards opened in last bets, and an extra-award wheel set for the winner to hit a jackpot.

There are known arcade machines which  
10 open a card after the players have staked their stakes on specific cards. These arcade machines are mechanically operated to choose a card from a set of cards of different marks at random, and then to open the chosen card so as to decide whose is  
15 the winner. These arcade machines are monotonous, and cannot excite players' curiosity.

It is one object of the present invention to provide an arcade machine which is mechanically operated to choose a card from a set  
20 of cards of different marks at random, and to open the chosen card on a card viewer for recognition. It is another object of the present invention to provide an arcade machine which uses indicator lamps to indicate the card opened in each betting.

It is still another object of the present invention to provide an arcade machine which uses a bet timer to count down a predetermined length of time within which individual players are allowed to bet. IT

5 is still another object of the present invention to provide an arcade machine which uses a card record display to record the cards opened in a fixed number of last bets for probability reference. It is still another object of the present invention to  
10 provide an arcade machine which allows the winner to hit a jackpot.

According to one aspect of the present invention, the arcade machine comprises a roulette panel having a plurality of divisions, which  
15 represent a set of cards of different marks, and a plurality of indicator lamps corresponding to the divisions, a card record display for recording the cards opened in last bets for probability reference, bet panels for betting by individual  
20 players, a bet timer to count down a predetermined length of time within which individual players are allowed to stake, a card opener to choose a card from a set of cards of different marks at random and then to open it, and an extra-award wheels for  
25 an extra betting when an individual player wins a



bet and wishes to hit a jackpot by using the prize as the pool.

5 According to another aspect of the present invention, the cards may be marked with different dots, figures of the chess or checkers, signs of zodiac, or figures of the 12 animals (the mouth, the ox, the tiger, the rabbit, the dragon, the snake, the horse, the sheep, the monkey, the fowl, the dog, and the pig).

10 The present invention will now be described by way of example, with reference to the annexed drawings, in which:

Fig. 1 is an elevational view of an arcade machine according to the present invention;

15 Fig. 2 is an operational flow chart showing the operational flow of the present invention;

20 Fig. 3 is a perspective view in an enlarged scale of extra-award wheels according to the present invention;

Fig. 4 is a perspective elevation of a card opener according to the present invention;

25 Fig. 5 is similar to Figure 4 but showing a card moved to the card viewer and the card viewer closed by the gate;

Fig. 6 is similar to Figure 5 but showing the gate partially opened;

Fig. 7 is similar to Figure 6 but showing the the card dropped to the discard holder;  
5 and

Fig. 8 is similar to Figure 7 but showing the discarded card moved backwards to the card station.

Referring to the various drawings  
10 attached herewith, a detailed description of the structural features of "ARCADE MACHINE AND ITS PLAYING METHOD" of the present invention is as follows:-

Referring to Figures 1, 2, 3, and 4, an  
15 arcade machine in accordance with the present invention comprises a machine base formed of a horizontal table 1 and a vertical table 1' connected together at right angles. The horizontal table 1 comprises a roulette panel 2  
20 having twelve divisions representing twelve different cards and twelve indicator lamps 20 respectively disposed in the twelve divisions, a card record display 3 for recording the cards opened in bets for probability reference, a  
25 plurality of bet panels 4 arranged around the

roulette panel 2 for the players to bet individually. The vertical table 1 comprises a bet timer (30 second clock) which counts down from 30 each time the machine is started by a coin or coins, a card opener 6 which chooses a card from a set of cards corresponding to the twelve divisions on the roulette panel 2 and opens when a betting is closed, and extra-award wheels 7 for an extra betting when an individual player wins a bet.

Referring to Figure 2, the bet panel 4 comprises six red bet keys 42 and six black bet keys 42' corresponding to the twelve different cards represented by the twelve divisions on the roulette panel 2 for betting, twelve pool displays 420 and 420' corresponding to the red and black bet keys 42 and 42' for showing the amount being staked on, a score display 40 for showing the score obtained in a betting, a cumulative score display 41 for showing cumulative scores, a red extra-award play key 42 and a black extra-award play key 43' for playing an extra-award by using the amount of the cumulative score as the pool, and a total score display 44 for showing total score obtained in the game.

Referring to Figure 4, the card opener 6

comprises twelve different cards 60 (six in red color and six in black color) corresponding to the twelve divisions on the roulette panel 2, a card station (not shown) to hold the twelve different cards 60, a card viewer 61 for showing the card 60 been chosen after each betting is closed, a discard holder 62 to hold the discarded card 60 from the card viewer 61 and to send it back of the card station, and a gate 610, which closes the card viewer 61.

Referring to Figure 3, the extra-award wheels 7 include three wheel 70, each wheel 70 is peripherally printed with twelve patterns in red or black color corresponding to the twelve divisions on the roulette panel 2. The extra-away wheels 7 are turned when one extra-award play key 43 or 43' is pressed, so that the player may hit a jackpot.

Referring to Figures 1 through 8, when the arcade machine is started, the 30 second clock starts to count down, and individual players must stake their pool on the keys 42 and 42' on the respective bet panels 4. After betting, the amount of the takes on each key 42 or 42' is shown on the corresponding pool display 420 or 420'. Upon the showing of the zero reading on the 30

second clock 5, the betting is closed, and the card opener 6 automatically chooses a card 60 at random (see Figure 4) and then moves it to the card viewer 61, which is closed by the gate 610 (see Figure 5).

5 When the chosen card 60 reaches the card viewer 61, the card opener 6 immediately moves the gate 610 to partially open the card viewer 61 without letting the players see the mark on the card face (see Figure 6), so as to excites the players' curiosity,

10 and then to completely open the gate 610. When the gate 610 (namely, the chosen card 60) is opened, the corresponding indicator lamp 20 is turned on, and the score, if any, is shown on the score display 40 of the individual bet panels 4.

15 If an individual player wishes to play an extra-award, the player can press the red extra-award play key 43 or the black extra-award play key 43' to turn the extra-award wheels 7. When the wheels 7 are stopped, a payoff is made according to a

20 predetermined payoff chart, for example: a payoff of 100 times over the pool been bet will be paid and shown on the total score display 44 when the three wheels 70 show the same color and pattern as bet. When a betting is finished, the gate 610 is

25 closed again, then the chosen card is given up and

5 sent to the discard holder 62, and then the discarded card is returned to the card station for a next betting (see Figures 7 and 8). After each betting game, an individual player's total score is shown on the total score display 44 of the respective bet panel 4, and the card which was opened in the last betting game is shown on the card record display 3 for further reference.

CLAIMS:

1. An arcade machine including a card record display for recording the cards opened in last bets for probability reference, bet panels for betting by individual players, a bet timer to count down a predetermined length of time within which individual players are allowed to stake, a card opener to choose a card from a set of cards of different marks at random and then to open the chosen card in a card viewer, and an extra-award wheel for an extra betting when an individual player wins a bet and wishes to hit a jackpot by using the cumulative score as the pool.

2. An arcade machine comprising:

a machine base formed of a horizontal table and a vertical table connected together at right angles;

a roulette panel horizontally mounted on said horizontal table, having twelve divisions and twelve indicator lamps respectively disposed in said twelve divisions, said twelve divisions including six red divisions and six black divisions and representing twelve cards of different marks;

a card record display mounted on said horizontal table for recording the cards opened in betting games for probability reference;

a plurality of bet panels arranged around said roulette panel for betting by individual players, each bet panel comprising six red bet keys and six black bet keys corresponding to the twelve different cards represented by said twelve divisions on said roulette panel for betting, twelve pool displays corresponding to said red and black bet keys for showing the amount being staked on, a score display for showing the score obtained in a betting, a cumulative score display for showing cumulative scores, a red extra-award play key and a black extra-award play key for playing an extra-award by using the amount of the cumulative score as the pool, and a total score display for showing total score obtained in the game;

a bet timer mounted on said vertical table to count down a predetermined length of time within which individual players are allowed to stake;

a card opener mounted on said vertical table to open a card upon each betting, said card opener comprising six red cards and six black cards corresponding to the twelve divisions on said roulette panel, a card station to hold said red and black cards, a card viewer for showing a card, which is chosen from said red and black cards after each betting is closed, a discard holder to hold a



card discarded from said card viewer and then to send it back to said card station, and a gate controlled to open said card viewer and the card being put in said card viewer, said card opener opening a card each time said bet timer completes the counting and turning on an indicator lamp corresponding to the card opened; and

an extra-award wheel set including three extra-award wheels for an extra betting when an individual player wins a bet.

3. An arcade machine substantially as hereinbefore described with reference to, and as illustrated, in the accompanying drawings of Figures 1 through 8.

**Patents Act 1977**

**Examiner's report to the Comptroller under Section 17**

(1 Search report)

12

Application number  
GB 9424807.7

**Relevant Technical Fields**

- (i) UK Cl (Ed.N) A6H (HJM, HJN, HJX)  
(ii) Int Cl (Ed.6) A63F 3/00, 3/08; G07C 15/00

Search Examiner  
MR A T BLUNT

Date of completion of Search  
10 JANUARY 1995

**Databases (see below)**

(i) UK Patent Office collections of GB, EP, WO and US patent specifications.

Documents considered relevant following a search in respect of Claims :-  
1 TO 3

(ii)

**Categories of documents**

- |  |   |
|--|---|
| <p><b>C:</b> Document indicating lack of novelty or of inventive step.</p> <p><b>Y:</b> Document indicating lack of inventive step if combined with one or more other documents of the same category.</p> <p><b>A:</b> Document indicating technological background and/or state of the art.</p> | <p><b>P:</b> Document published on or after the declared priority date but before the filing date of the present application.</p> <p><b>E:</b> Patent document published on or after, but with priority date earlier than, the filing date of the present application.</p> <p><b>&amp;:</b> Member of the same patent family; corresponding document.</p> |
|--|---|

Category	Identity of document and relevant passages	Relevant to claim(s)
A	GB 1348632 (ROBINSON)	1, 2
A	GB 294329 (FAGAN)	1, 2

Databases: The UK Patent Office database comprises classified collections of GB, EP, WO and US patent specifications as outlined periodically in the Official Journal (Patents). The on-line databases considered for search are also listed periodically in the Official Journal (Patents).

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**